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TITLE: Electric machine slot-less stator - has auxiliary elastic fixing tape between main tape and rod sets

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 1746477 A1	July 7, 1992	N/A	004	H02K 003/48

APPLICATION-DATA:

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ABSTRACTED-PUB-NO: SU 1746477A

BASIC-ABSTRACT: Stator consists of the winding (1,2) rod rows and the enveloping support tape (3) with the auxiliary elastic support tape (4) between the main tape (3) and the rod rows. The fixing elements (5) with the external (6), middle (7) and internal protrusions are placed between the winding rod groups. The radial (9) and tangential (10) insulating inserts are placed between the winding rods with a determined pitch.

Elastic support elements (12) are placed between the insulating clamp (11) sides. The internal protrusions (8) of the fixing elements (5) compress the elastic elements (12) toward the stator (13) core. The middle protrusions (7) of the fixing elements (5) ensure the required tension of the support tape (4). When the electric machine rotor rotates the rods (1,2) carry a current and the resultant electromagnetic forces tend to shift the windings relative to the stator (13) core.

USE/ADVANTAGE - As slot-less stator is used in electric motors. Its cooling is improved by the introduction of auxiliary fixing tape. Bul.25/7.7.92

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CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS:

ELECTRIC MACHINE SLOT LESS STATOR AUXILIARY ELASTIC FIX TAPE
MAIN TAPE ROD SET

DERWENT-CLASS: X11

EPI-CODES: X11-J02C;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1993-167368

